| Index of Cl | aims |
|-------------|------|
|             |      |

| Ann | licatio | n/Co | ntrol | No  |
|-----|---------|------|-------|-----|
| App | IICauc  |      |       | NO. |

10/724,693

Examiner

Ram N. Kackar

Applicant(s)/Patent under Reexamination

HAYAMI ET AL.

1763

|          | Allowed  |
|----------|----------|
| <b>√</b> | Rejected |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                    | aim       |          |            |          |          | Date     | е        |  |            |          | ] | Cla                  | aim      |                     |          |              | Date     | ,        |                    |           |       | Cl    | aim        |           |                     |          | [        | Dat      | е        |          |          |          |
|------------------------|-----------|----------|------------|----------|----------|----------|----------|--|------------|----------|---|----------------------|----------|---------------------|----------|--------------|----------|----------|--------------------|-----------|-------|-------|------------|-----------|---------------------|----------|----------|----------|----------|----------|----------|----------|
|                        | <u>-a</u> | 5        |            |          |          |          |          |  |            |          |   |                      | <u> </u> |                     |          |              |          |          |                    |           |       |       | ā          |           |                     |          |          |          |          |          |          |          |
| Final                  | Original  | 10/14/05 | }          |          |          |          |          |  |            |          |   | Final                | Original |                     |          |              |          |          |                    |           |       | Final | Original   |           |                     |          |          |          |          |          |          |          |
| 证                      | ٦         | Įξ       |            | H        |          |          |          |  | l          |          |   | ίĽ                   | Ö        | il                  |          |              |          |          |                    |           |       | ίΞ    | , j        |           |                     |          |          |          |          |          |          |          |
| <u> </u>               | <u> </u>  |          | lacksquare | Ш        | Ш        |          |          | _  | ╀-         | $\perp$  | 4 |                      |          |                     | _        | $\bot$       | $\perp$  | _        | $\perp$            | _         |       |       |            |           | $\sqcup$            |          |          |          |          | $\sqcup$ | _        |          |
|                        | 1         | 1        | <u> </u>   |          | Ш        |          |          | -  | ╄          | 1        | 4 |                      | 51       |                     | _        | - -          | +        | -        | -                  | $\perp$   |       |       | 101        |           | -                   |          |          | _        |          |          |          |          |
|                        | 2         | 1        |            | Н        | -        |          | -        | <del>                                     </del> | ╀          | +-       | 4 | <u> </u>             | 52       | $\vdash$            | _        | - -          | 1        | -        | 4                  | Ц.        |       | _     | 102        |           | $\vdash \vdash$     |          | _        | <u> </u> | _        | -        | _        | _        |
| -                      | 4         | -        | -          | $\vdash$ |          |          | -        | -  | ╀          | +        | - |                      | 53<br>54 | $\vdash$            |          |              | $\vdash$ | $\dashv$ | +                  | -         |       |       | 103<br>104 |           | $\vdash$            |          | -        | _        |          | $\dashv$ |          |          |
|                        | 5         | +        | -          | $\vdash$ | $\vdash$ |          | -        | _  | ╀╌         | ╂        | ┨ | <u> </u>             | 55       | $\vdash$            | +        | +-           | ╁┼┤      | $\dashv$ | +-1                |           |       |       | 105        | -         | $\vdash$            | -        | _        | _        | -        | -        | _        |          |
| -                      | 6         | +        | $\vdash$   | $\vdash$ | $\vdash$ |          | -        | -  | ╁╌         | ╅╾       | 1 |                      | 56       | $\vdash$            | $\dashv$ | +            | +        | -        | +                  | $\dashv$  |       |       | 106        | -         | $\vdash$            |          |          |          | -        | $\dashv$ |          |          |
|                        | 7         | H        | Н          |          | $\neg$   |          | Н        | -  | ╁          | ╁┈       | 1 |                      | 57       | $\vdash$            | $\dashv$ | +            | H        | _        | +                  | $\exists$ |       |       | 107        | -         | -                   | -1       | -        |          |          | $\vdash$ | _        |          |
|                        | 8         | H        | $\vdash$   |          |          | $\neg$   |          | _  | T          | +-       |   | <b>-</b>             | 58       | Н                   | 十        | $\top$       |          |          | +-1                | -         |       |       | 108        |           | $\vdash$            |          | -        |          |          | $\Box$   | _        |          |
|                        | 9         | 1        |            |          |          |          |          |  | T          | 1        |   |                      | 59       | Н                   |          | 1            | H        | -        | $\top$             |           |       |       | 109        |           | Н                   | _        |          |          |          |          |          |          |
|                        | 10        | V        |            |          |          |          |          |  | Т          |          | 1 |                      | 60       |                     | $\neg$   |              |          |          | $\top$             |           |       |       | 110        |           | П                   |          |          |          |          |          |          |          |
|                        | 11        |          |            |          |          |          |          |  |            |          | ] |                      | 61       |                     | $\top$   |              |          | 1        | $\top$             | _         |       |       | 111        |           | П                   |          |          |          |          |          |          | -        |
|                        | 12        |          |            |          |          |          |          |  |            |          |   |                      | 62       |                     |          |              |          |          |                    |           |       |       | 112        |           |                     |          |          |          |          |          |          | _        |
|                        | 13        |          |            |          |          |          |          |  | L          |          |   |                      | 63       |                     |          |              |          |          |                    |           |       |       | 113        |           |                     |          |          |          |          |          |          | _        |
|                        | 14        |          | $\Box$     | Ш        |          |          |          | $\Box$   | Ľ          | Ļ        |   |                      | 64       |                     |          |              | $\Box$   |          |                    |           |       |       | 114        |           |                     | ╝        |          |          |          |          |          |          |
|                        | 15        | _        | Ш          | Ш        |          |          | $\Box$   | _  | L          | 1        |   | <u></u>              | 65       |                     |          |              | $\sqcup$ | _ _      | $oldsymbol{\perp}$ | _         |       |       | 115        |           |                     |          |          |          |          |          |          |          |
| $\sqsubseteq$          | 16        | _        | $\sqcup$   |          |          |          |          | _  | <b> </b> _ | 4_       |   |                      | 66       | $\sqcup$            | _        | - -          | _        |          | $\perp$            | _         |       |       | 116        | L         | Ш                   |          |          |          | Ш        |          |          |          |
|                        | 17        | -        |            | $\sqcup$ | _        |          | $\sqcup$ | _  | -          | 4        |   |                      | 67       | $\sqcup$            | $\perp$  | $\perp$      | $\sqcup$ | $\perp$  | -                  | _         |       |       | 117        |           | Ш                   |          |          |          | Щ        |          | _        |          |
| <u> </u>               | 18        | _        | L          |          |          |          | $\Box$   |  | L          | ┼-       |   |                      | 68       | $\vdash$            | +        | +            | $\vdash$ |          | -                  |           |       |       | 118        |           | $\sqcup$            |          |          | _        | $\Box$   | $\perp$  | _        |          |
|                        | 19        | -        | -          | -        |          |          |          |  | L          | ╁-       | - |                      | 69       | $\vdash$            | -        |              | $\vdash$ | - -      |                    |           |       |       | 119        | _         |                     |          | _        |          |          | _        | _        |          |
|                        | 20<br>21  |          | H          |          |          |          |          | _  | ╁          | ╁        | 1 |                      | 70<br>71 | $\vdash$            | +        | +-           | $\vdash$ |          |                    | -         |       |       | 120        |           | $\vdash$            | $\dashv$ |          |          |          | $\dashv$ | $\dashv$ | _        |
|                        | 22        | -        | $\vdash$   | -        | -        | -        |          | $\vdash$   | ╁          | ╁        | 1 | -                    | 72       | $\vdash$            | +        | +-           | ┼        | - -      | +                  | -         |       |       | 121<br>122 | _         | $\vdash$            | $\dashv$ |          |          | Н        | $\dashv$ | $\dashv$ | _        |
|                        | 23        | -        | Н          | -        | $\dashv$ | $\dashv$ |          | -  | ├          | ╁        | 1 |                      | 73       | $\vdash$            | $\dashv$ |              | ╂━╂      |          | +                  |           |       |       | 123        | $\vdash$  | $\vdash$            | -        |          |          | -        |          |          |          |
|                        | 24        | _        |            | $\dashv$ | -        | $\dashv$ |          | $\vdash$   | ╁          | ╁╌       | 1 |                      | 74       | $\vdash$            | +        |              | ╁╼╾╁     |          | +                  | $\dashv$  | •     |       | 124        | H         | $\vdash$            | $\dashv$ | _        | -        | _        | -        | $\dashv$ |          |
|                        | 25        |          |            |          |          | 一        | $\dashv$ | •  | ╆          | ╁╌       | 1 | _                    | 75       | $\vdash$            | +        | +            | +-+      | -        | +-1                | -         |       |       | 125        |           | $\vdash$            | $\dashv$ |          |          |          | -+       | $\dashv$ | -        |
|                        | 26        |          | H          |          | 寸        | _        |          | $\vdash$   | ╁╴         | +        | 1 |                      | 76       |                     | _        | $\dashv$     | $\Box$   | +        | +-                 |           |       |       | 126        |           | H                   |          |          |          |          | $\dashv$ | $\dashv$ | -        |
|                        | 27        |          |            |          |          |          |          | _  | _          | 1        |   |                      | 77       |                     | _        | 1            | Ħ        |          | 1-1                |           |       |       | 127        |           | Н                   |          |          |          |          | $\dashv$ | $\neg$   |          |
|                        | 28        |          |            |          |          |          |          |  |            | $\top$   |   |                      | 78       | П                   |          |              | $\Box$   |          | 1                  |           |       |       | 128        |           | П                   |          |          |          |          |          | $\neg$   |          |
|                        | 29        |          |            |          |          |          |          |  |            |          |   |                      | 79       |                     |          |              |          |          | $\top$             |           |       |       | 129        |           |                     |          |          |          |          |          | $\neg$   |          |
|                        | 30        |          |            |          |          |          |          |  |            |          |   |                      | 80       |                     |          |              |          |          |                    |           |       |       | 130        |           |                     |          |          |          |          |          |          |          |
|                        | 31        |          |            |          | $\perp$  | _        |          |  | L          | <u> </u> |   |                      | 81       |                     |          |              | Ш        |          |                    |           |       |       | 131        |           |                     |          |          |          |          |          |          |          |
|                        | 32        |          |            |          | _        | _        |          |  | _          | 1_       |   |                      | 82       | Ш                   |          |              | Ш        | $\perp$  | 1_1                | _         |       |       | 132        |           |                     |          |          |          |          |          | $\Box$   |          |
| <b></b>                | 33        | _        | $\sqcup$   | _        | _        | _        |          | _  | 1          | _        |   | <u> </u>             | 83       | $\sqcup \downarrow$ | _        | 4            | $\sqcup$ |          | 44                 | _         |       |       | 133        |           | Ц                   |          |          |          |          |          |          |          |
| $\vdash$               | 34        |          | Н          | $\dashv$ | -        | -        |          | Щ  | $\vdash$   | +-       |   |                      | 84       | $\sqcup$            |          | -            | $\vdash$ | -        | +                  | 4         |       |       | 134        | $\Box$    | $\sqcup$            | _        | $\Box$   | _        | Ш        | _        | _        |          |
| ┝╌┤                    | 35        |          | H          | -        | -        | -        | $\dashv$ | -  | ├-         | ╄        |   |                      | 85       | $\vdash$            | +        |              | $\vdash$ | -        | -                  | $\dashv$  |       |       | 135        |           | $\sqcup$            | _        |          | Ш        | $\sqcup$ | $\dashv$ | _        |          |
| $\vdash \vdash \vdash$ | 36<br>37  | -        | Н          | -        |          | -        |          |  | ├-         | +        |   | <b>  </b>            | 86       | -                   | +        | +            | H        | +        | ╌┤                 |           |       |       | 136        | $\dashv$  | $\vdash \vdash$     | _        | _        | _        |          |          |          |          |
| $\vdash$               | 38        |          | $\vdash$   |          | $\dashv$ | $\dashv$ | $\dashv$ | -  | ├          | 1        |   |                      | 87       |                     | +        | +            | ⊢        |          | 4-1                | -         |       |       | 137        | $\square$ | $\vdash \downarrow$ | _        | _        | _        | -        | -        | _        | 4        |
| $\vdash \vdash \vdash$ | 39        | _        | $\vdash$   |          | $\dashv$ | $\dashv$ |          | -  | ⊢          | ╁        |   | <del>  </del>        | 88<br>89 | $\vdash$            |          | +            |          |          | +                  | $\dashv$  |       |       | 138        | $\dashv$  | $\vdash \vdash$     | 4        | $\dashv$ | -        | _        | $\dashv$ | -        | $\dashv$ |
|                        | 40        |          |            | +        | -+       | $\dashv$ | ⊣        | -  | ⊢          | ╀        |   | <del>  </del>        | 90       | $\vdash \vdash$     | +        | +            | $\vdash$ | - -      | +-1                | -         |       |       | 139<br>140 | $\dashv$  | $\vdash \vdash$     | -        |          | _        |          |          | -        | $\dashv$ |
|                        | 41        |          | $\vdash$   | -        | $\dashv$ | -        | $\dashv$ |  | ┢          | +        |   | $\vdash\vdash\vdash$ | 91       | $\vdash \vdash$     | +        | +            | Н        |          | ╫                  | $\dashv$  | ŀ     |       | 141        | $\vdash$  | $\vdash \vdash$     | -        |          | $\dashv$ |          | -+       | $\dashv$ | $\dashv$ |
|                        | 42        |          | $\vdash$   | _        | $\dashv$ | 一        | $\dashv$ | Н  | Н          | +        |   | <del>H</del>         | 92       | +                   | +        | +            | $\vdash$ |          | +-                 | $\dashv$  | ŀ     |       | 142        | -         | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |
|                        | 43        |          | $\Box$     | _        | $\neg$   | $\dashv$ | -        |  |            | t        | 1 | $\vdash$             | 93       | $\dashv$            | +        | +            | $\vdash$ | $\dashv$ | +                  | -         |       |       | 143        |           | $\dashv$            | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$ |
|                        | 44        |          |            | $\neg$   | $\dashv$ | 7        | $\neg$   |  | Т          | 1        |   |                      | 94       | $\Box$              | +        | $\top$       | $\vdash$ | $\dashv$ | +                  | -         | iii t |       | 144        |           | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
|                        | 45        |          |            |          |          | $\neg$   | 7        |  | Γ          | T        |   |                      | 95       |                     | $\top$   | $\top$       | $\Box$   | _        | +                  | -         | ii)   |       | 145        |           | $\Box$              | 7        | $\neg$   | $\dashv$ | $\dashv$ | 十        | ┪        | $\neg$   |
|                        | 46        |          |            |          |          |          | $\Box$   |  |            |          |   |                      | 96       |                     |          | 1            | H        |          | 17                 |           | ii t  |       | 146        |           | $\dashv$            | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
|                        | 47        |          |            |          | J        |          |          |  |            |          |   |                      | 97       |                     |          |              |          |          |                    |           |       |       | 147        |           | $\neg$              |          |          |          | T        |          | 1        | $\neg$   |
|                        | 48        |          |            |          | $\Box$   | $\Box$   |          |  |            |          |   |                      | 98       |                     |          | Ι            |          |          |                    |           |       |       | 148        |           |                     |          |          |          |          |          | _        |          |
|                        | 49        |          |            | $\Box$   |          |          |          |  |            |          |   |                      | 99       |                     |          | $oxed{\Box}$ |          |          |                    |           |       |       | 149        |           |                     |          |          |          |          |          | J        |          |
|                        | 50        |          |            |          | [        |          |          |  |            |          |   |                      | 100      |                     |          |              | L T      |          |                    |           | ::[   |       | 150        |           |                     | T        | $\neg$   | $\neg$   | $\neg$   | T        | T        |          |